FEDERAL RESERVE statistical release



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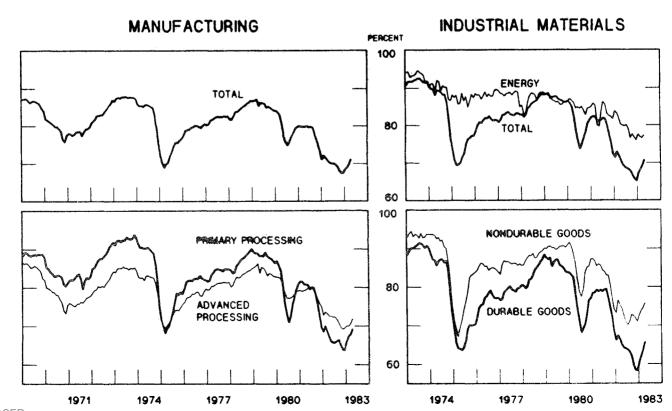
For immediate release May 16, 1983

CAPACITY UTILIZATION: MANUFACTURING AND MATERIALS April 1983

Capacity utilization rates for manufacturing and for industrial materials production continued to rise in April, attaining their highest levels since March 1982. The manufacturing rate increased 1.3 percentage points to 71.1 percent, following gains of 0.9 percentage point in March and 0.4 percentage point in February. The materials rate was up 1.4 percentage points to 70.7 percent in April, after having risen 1.0 percentage point in each of the preceding two months.

Within manufacturing, gains in operating rates were widespread in April, and included sizable advances among industries that were especially hard hit in the past few years. Capacity utilization rates for the primary and fabricated metals industries continued to advance strongly, and operating rates for electrical and nonelectrical machinery also posted sizable gains. The April rate for motor vehicles and parts was up one percentage point to a little over 60 percent. The operating rate for petroleum refining has risen more than 5 percentage points since February, when it fell to a postwar low of about 63 percent.

Producers of durable goods materials utilized 65.7 percent of capacity, up 1.8 percentage points as activity strengthened among producers of metals, parts for equipment, and parts for consumer durables. The operating rate for producers of nondurable materials rose 1.2 percentage points to 75.8 percent. After declining in February and March, the rate for energy materials production increased 0.7 percentage point to 77.3 percent.



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OUTPUT, CAPACITY AND CAPACITY UTILIZATION

Output and Capacity are Percentages of 1967 Output; Capacity Utilization is a Per Cent of Capacity.

Seasonally Adjusted

Manufacturing

SERIES	19731	10.75	1 1982	BORT	HLY CAP	ACITY U	TILIZAT	IOR				1983			
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MANUFACTURING, TOTAL	88-01	69.0	70.8	70.2	70.0	70.0	69.8	69.2	68.0	67.4	67.51	68.5	68.9	69.8	71.1
PRIMARY PROCESSING	93.8	68.2	67.2	66.1	65.7	65.7	66.1	66.4	65.0	63.9	63.7	66.0	67.4	67.8	69.5
ADVANCED PROCESSING	85-5	69.4	72.6	72.5	72.3	72.3	71.7	70.7	69.6	69.2	69.5	70.0	70.0	70-6	71.9.
		OB	TPUT				CAP	ACITY		!		STILI	BATION		4000
	1982 I		1901		1983) I	1982 I	CAP	III III	ŢŢ	1983 j II	1982 I	etili:	ROITAS		1983 I
HABUFACTURING, TOTAL	I	ш	ш	134.5	I	T		ш	1	- II			ш	1	
MANUPACTURING, TOTAL PRIMARY PROCESSING	139.8	138.1	137.7	i	138.2	195-2	196.4	111 197.7	198.9	200.1j	71.6			67.61	69. 1

Industrial Materials

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**			-6	HONT	HLY CAP	ACITY U	PILIZAT	LOR							
SERIES	19734 H a gai		1982 LAPR.	DAY	JUNE.	JULY	AUG.	SEP.	0CT-	NO V.	DBC-1	1983 JAB.	PEB.	MAR.	APR.
			L-9522	81		4444	AVV4			8414		7 5 5-5		4884	95.52
HATERIALS, TOTAL	92.61	69.4	70.5	69.4	68.8	68.5	68.2	67.7	66.6	65.7	65.21	67.3	68.3	69.3	70.7
		1	!								. !				
DURABLE GOODS MATERIALS	91.51	63.6	65.0	64.2	64.0	63.7	63. 1	61.9	59.6	58.4	58.41	60.8	62.3	63.9	65.7
	i		i								i				
METAL MATERIALS	98-31	68.6	56-2	53.9	52.2	50.7	51.2	51.9	48.6	45.5	46-01	52-4	54_ 1	57.9	
•	i		i								i				
MONDURABLE GOODS MATERIALS	94-51	67.2	74.4	72.5	70.9	70.2	71.0	72.8	72.5	71.9	71.01	72.7	73.9	74.6	75.8
TEX., PAPER, & CARM. MAT.	95-11	65.3	1 1 72.5	70.6	68.8	68.0	68.9	70.7	70.3	69.9	69.31	70.8	72.6	73.2	74.2
and the sail a simula series	i		i								i				
TEXTILE MATERIALS	92-61		73.4	71.5	69.6	69.8	72.3	72.3	73.0	71-6	71.34	73-0	74.1 89.9	763 890	
PAPER HATERIALS	99-41	72.4	1 69-0	86.1 66.9	85.3 65.0	86.0 63.7	88.6 63.9	89.8 66.2	89.7 65.4	90.0 65.1	86.51 65.11	89 .9 66.0	68. 4	69.0	
CERNICAL BATERIALS	32-28 	94.2	1 03-0	90. 7	03.0	0347	034,3	90.2	03.4	0321	1		00. 4	0340	
				70.0	70.0		70.0	76.6	77 (76.0	76.01	77 E	76-9	76.6	77.3
BUERGY MATERIALS	94.61	84.8	1 80.2	79.9	79.8	80.0	79.0	76.6	77.6	76.8	/0.Vi	77.5	10-3	/0.0	11.3
											8				
	 	OU	TPUT		 1		CAP	ACITY		1		CTILI	ROITAS		
	1382				19831	1982				1983				7.7	1983
	1382 I	II on		<u></u>		1982 		ACITY				GTILI:	HOITAS	IV	1983
MATERIALS, TOTAL	1382 I 138.7		111		14		:11	: 111	1	Ii				1	1983 <u>I</u> 68.3
MATERIALS, TOTAL			111		14		:11	: 111	1	Ii		11	ш	1	
		134.7	132.6	128.7	134.31	192.6	193.7	194.6	195-51	Ii	72.0	11	ш	65.81	
DURABLE GOODS EATERIALS	138.7 130.9	134.7 127.1	111 132.6 124.7	128-7	134.31 134.31 1 124.81	192.6	193.7 197.3	194.6 198.3	195-51 199-21	196-61 1 196-61 1 200-21	72.0 66.7	69.6 64.4	68. 1 62. 9	65.81 58.81	68.3 62.3
	138.7	134.7 127.1	132.6	128-7	134.31 134.31 1 124.81	192.6	193.7 197.3	194.6 198.3	195-51 199-21	196-61	72.0 66.7	69.6	68.1	65.81	68.3 62.3
DURABLE GOODS MATERIALS METAL MATERIALS	138.7 130.9 90.9	134.7 134.7 127.1 77.0	111 132.6 124.7 -73.0	128-7; 128-7; 1 117-1; 66-5;	134.31 134.31 124.81 78.21	192.6 196.4 142.3	193.7 197.3 142.4	194.6 198.3 142.3	195-51 199-21 142-41	196.6 196.6 200.2 142.6	72.0 66.7 63.9	69.6 64.4 54.1	68. 1 62. 9 51. 3	65.81 58.81 46.71	68.3
DURABLE GOODS EATERIALS	138.7 130.9 90.9	134.7 134.7 127.1 77.0	111 132.6 124.7 -73.0	128-7; 128-7; 1 117-1; 66-5;	134.31 134.31 124.81 78.21	192.6 196.4 142.3	193.7 197.3 142.4	194.6 198.3 142.3	195-51 199-21 142-41	196.6 196.6 200.2 142.6	72.0 66.7 63.9	69.6 64.4	68. 1 62. 9	65.81 58.81	68.3
DURABLE GOODS MATERIALS METAL MATERIALS MODDURABLE GOODS MATERIALS	130-9 90-9	134.7 127.1 77.0	111 132.6 124.7 73.0	128-71 117-14 66-51	134.34 124.81 78.21	192.6 196.4 142.3	: II 193. 7 197. 3 142. 4 216. 1	194.6 198.3 142.3	195-51 199-21 142-41	196-61 200-21 142-61 220-21	72.0 66.7 63.9 75.0	69.6 64.4 54.1	68. 1 62. 9 51. 3	65.81 58.81 46.71	68.3 62.3
DURABLE GOODS MATERIALS METAL MATERIALS	130-9 90-9	134.7 127.1 77.0	111 132.6 124.7 73.0	128-7; 117-3; 66-5; 157-0; 160-8;	134.31 124.81 78.21 162.31	192.6 196.4 142.3 214.6 225.6	193.7 197.3 142.4 216.1 227.3	194.6 198.3 142.3 217.4 228.8	195-51 199-21 142-41 218-91 230-51	200.28 142.61 220.28 1220.28	72.0 66.7 63.9 75.0 72.9	69.6 64.4 54.1 72.6 70.6	68. 1 62. 9 51. 3 71. 3	58.81 58.81 46.71 71.81 69.81	68.3 62.3 73.7 72.2
DURABLE GOODS MATERIALS METAL MATERIALS MODDURABLE GOODS MATERIALS TEL., PAPER, 6 CHEM. MAT. TEXTILE MATERIALS	130-9 90-9 161-0 164-5	11 134.7 127.1 77.0 856.8 160.5	111 132.6 124.7 -73.0 155.1 158.4	128.7; 117.1; 66.5; 157.0; 160.0;	134. 31 124. 81 78. 21 162. 31 167. 31	192.6 196.4 142.3 214.6 225.6	193.7 197.3 142.4 216.1 227.3	194.6 198.3 142.3 217.4 228.8	195. 51 199. 21 142. 41 218. 91 230. 51	196-6; 196-6; 200-2; 142-6; 220-2; 231-9; 143-6;	72.0 66.7 63.9 75.0 72.9 71.3	69.6 64.4 54.1 72.6 70.6	68.1 62.9 51.3 71.3 69.2 71.5	58.81 46.71 71.81 69.81	68.3 62.3 73.7 72.2
DURABLE GOODS HATERIALS HETAL HATERIALS MODDURABLE GOODS HATERIALS TRI., PAPER, & CHEM. RAT. TRITILE HATERIALS PAPER HATERIALS	130-7 130-9 1 90-9 1 161-0 1 164-5 1 101-3	134.7 127.1 77.0 156.8 160.5 101.8 142.0	111 132-6 124-7 73-0 155-1 158-4 102-0 145-9	128-7; 117-3; 117-3; 66-5; 157-0; 160-8; 140-8;	134. 31 124. 81 124. 81 162. 31 162. 31 167. 31 106. 91	192-6 196-4 142-3 214-6 225-6 142-1 163-8	193.7 197.3 142.4 216.1 227.3 182.4	194-6 198-3 142-3 217-4 228-8 142-8 165-4	195-51 199-21 142-4 218-91 230-51 143-81 1466-38	200-28 142-61 220-28 1231-98 143-61 143-61	72.0 66.7 63.9 75.0 72.9 71.3	54.1 72.6 70.6 71.5 86.3	68-1 62-9 51-3 71-3 69-2 71-5 88-2	71.81 69.81 71.81 71.81	68.3 62.3 73.7
DURABLE GOODS MATERIALS METAL MATERIALS MODDURABLE GOODS MATERIALS TEL., PAPER, 6 CHEM. MAT. TRITILE MATERIALS	130-9 90-9 161-0 164-5	134.7 127.1 77.0 156.8 160.5 101.8 142.0	111 132-6 124-7 73-0 155-1 158-4 102-0 145-9	128-7; 117-3; 117-3; 66-5; 157-0; 160-8; 140-8;	134. 31 124. 81 78. 21 162. 31 167. 31	192-6 196-4 142-3 214-6 225-6 142-1 163-8	193.7 197.3 142.4 216.1 227.3 182.4	194.6 198.3 142.3 217.4 228.8	195-51 199-21 142-4 218-91 230-51 143-81 1466-38	196-6; 196-6; 200-2; 142-6; 220-2; 231-9; 143-6;	72.0 66.7 63.9 75.0 72.9 71.3	69.6 64.4 54.1 72.6 70.6	68.1 62.9 51.3 71.3 69.2 71.5	58.81 46.71 71.81 69.81	68.3 62.3 73.7
DURABLE GOODS HATERIALS HETAL HATERIALS MODDURABLE GOODS HATERIALS TRI., PAPER, & CHEM. RAT. TRITILE HATERIALS PAPER HATERIALS	138.7 130.9 1 130.9 1 90.9 1 161.0 1 164.5 1 101.3 1 146.1	134.7 127.1 77.0 156.8 160.5 101.8 142.0 198.0	111 132-6 124-7 73-0 155-1 158-4 102-0 145-9 188-5	128-7; 117-14 66-5; 157-0; 160-8; 160-8; 147-6; 191-9;	134-34 124-81 78-21 162-31 167-31 167-31 106-91 149-91 202-38	192-6 196-4 142-3 214-6 225-6 142-1 163-8 287-3	193.7 197.3 142.4 216.1 227.3 142.4 164.6 289.6	194-6 198-3 142-3 217-4 228-8 142-8 165-4 291-9	195-51 199-21 142-41 218-91 230-51 143-12 166-32 294-31	196-61 196-61 200-21 142-61 220-24 231-91 143-61 167-01 296-71	72.0 66.7 63.9 75.0 72.9 71.3 89.2 69.6	69.6 64.4 54.1 72.6 70.6 71.5 86.3 67.0	68. 1 62. 9 51. 3 71. 3 69. 2 71. 5 88. 2 64. 6	71-81 65-91 58-81 46-71 69-81 72-91 88-71 65-21	68.3 62.3 73.7 72.2
DURABLE GOODS BATERIALS METAL MATERIALS EQBDERABLE GOODS HATERIALS TEX., PAPER, 6 CHEH. HAT. TEXTILE BATERIALS PAPER HATERIALS	138.7 130.9 1 130.9 1 90.9 1 161.0 1 164.5 1 101.3 1 146.1	134.7 127.1 77.0 156.8 160.5 101.8 142.0 198.0	111 132-6 124-7 73-0 155-1 158-4 102-0 145-9 188-5	128-7; 117-14 66-5; 157-0; 160-8; 160-8; 147-6; 191-9;	134-34 124-81 78-21 162-31 167-31 167-31 106-91 149-91 202-38	192-6 196-4 142-3 214-6 225-6 142-1 163-8 287-3	193.7 197.3 142.4 216.1 227.3 142.4 164.6 289.6	194-6 198-3 142-3 217-4 228-8 142-8 165-4 291-9	195-51 199-21 142-41 218-91 230-51 143-12 166-32 294-31	200-28 142-61 220-28 1231-98 143-61 143-61	72.0 66.7 63.9 75.0 72.9 71.3 89.2 69.6	54.1 72.6 70.6 71.5 86.3	68-1 62-9 51-3 71-3 69-2 71-5 88-2	71-81 65-91 58-81 46-71 69-81 72-91 88-71 65-21	68.3 62.3 73.7

SOTE: ESTINATES OF ACTUAL OUTPUT AND CAPACITY OUTPUT ARE BOTH EXPRESSED AS PERCENTAGES OF 1967 ACTUAL OUTPUT. ESTINATES OF CAPACITY UTILIZATION IN PERCENT ARE CALCULATED AS RATIOS OF (1) THE PEDBRAL RESERVE'S SEASONALLY ADJUSTED INDRIES OF INDUSTIAL PRODUCTION TO (2) THE CORRESPONDING INDRIES OF CAPACITY. INDUSTRIAL BATRRIALS ARE ITEMS BOTH PRODUCED AND USED AS INPUTS BY HAMPIACTURING PLANTS, HINES AND UTILITIES; INDUSTRIAL HATERIALS COVER HAMP OF THE ITEMS REPRESENTED IN THE PRIMARY
PROCESSING GROUPING OF MANUFACTURING AS MELL AS SONE OF THE OUTPUT OF HINES AND UTILITIES - SUCH AS INON ORE, CRUDE OIL, AND
ELECTRICITY SOLD TO INDUSTRY.

THE 1973 MIGHS AND 1975 LOSS IN CAPACITY UTILIZATION, SMORN IN THE TABLES ABOVE, ARE SPECIFIC TO RACE SERIES AND HAY OCCUR IN DIFFERENCE GOTTES. INDUSTRIAL PLANTS USUALLY OPERATE AT CAPACITY UTILIZATION RATES THAT ARE WELL BELOW 800 PERCENT; HOME OF THE BROAD AGGREGATH SERIES HAS EVER INDICATED A 100 PERCENT USE OF CAPACITY. CAPACITY UTILIZATION RATES AVERAGED ABOUT 83 PERCENT FOR MANUFACTURING PROM 1955 THROUGH 1979, AND ABOUT 85 PERCENT FOR INDUSTRIAL HATERIALS FOR 1967 THROUGH 1979. IN MANUFACTURING AS-A MEMORAL UTILIZATION BATES AS HIGH AS 90 PERCENT HAVE BEEN ELCREDED ONLY IN WARTHER. THE PEAK PATES OF UTILIZATION IN 1973 WERE ASSOCIATED WITE SIGNIFICANT UPGARD PRESSURE ON PRICES.

THE ESTHODOLOGY AND THE SERIES ARE DESCRIBED IN PROPERL REGERYS BRASHRES OF CAPACINI AND CAPACINI UTILIZATION. BEVISED DATA ARE ROUND IN "CAPACINI UTILIZATION: HAMBFACTURING AND MATERIALS, JANUARY 1967--DECEMBER 1978." BOTH PUBLICATIONS HAY BE OBTAINED FROM PUBLICATIONS SERVICES, BOARD OF GOVERNORS OF THE FEDERAL RESERVE SISTEM, HASHINGTON, D.C. 20551